

Polartech MA 500 MG

Fatty Acid Monoethanolamide

- Use** : Corrosion inhibitor
Emulsifier
pH enhancer
- Applications** : Watermix metalworking fluids
High water based hydraulic fluids
Synthetic cleaning fluids
Fuel oil additives
Off shore drilling fluids
- Advantages** : Superb ferrous corrosion inhibition
Stable emulsions in hard water
Fluid residue formation
Good emulsification
Inherent stability
Secondary amine free
Semi fluid at ambient temperatures
- Concept** : A cost effective additive, providing superb corrosion inhibition and emulsification, designed as a direct replacement for polydiethanolamides.

Typical Product Data

Appearance @ 25°C	:	Dark amber, semi fluid
Specific Gravity @ 20°C	:	1.00
pH @ 1% Concentration	:	11.5
Acid Value mg KOH/gm	:	18
IP 287 Corrosion Test %	:	2.0
DIN 51360, Part 2, %	:	
De ionised	:	2.0
200 ppm	:	3.0
DIN spec	:	3.0

This does not represent a complete specification, full sales specification data will be supplied on request by Polartech Quality Assurance Department.

Health and Safety

Polartech MA 500 MG is free from nitrites, phenols, chlorine and PTBBA in accordance with international health and safety trends. For a full Material Safety Data Sheet please contact Polartech Limited.

Polartech MA 500 MG forms part of a comprehensive range of additives, if you require more information on this or any other product please contact Polartech Technical Department. This information is for guidance only. It is recommended that complete testing be carried out on all additives to determine their suitability for use in proprietary formulations.



POLARTECH LIMITED

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Formulatory Guidance

The following formulation would typically produce a multipurpose, long service life, metalworking fluid.

<u>Additive</u>	<u>% weight</u>
Polartech MA 500 MG	10.0
Polartech BA 50 M	10.0
Polartech AK 200	4.0
Naphthenic Mineral Oil	44.0
Water	10.0
Polartech Morecide BOO	3.0
Butyl Diglycol Ether	4.0
Distilled Tall Oil	9.0
Multitect CU	0.5
Alcohol Ethoxylate	5.0
Antifoam	0.5

This formulation is hypothetical only. The actual proportions will depend on a variety of factors including the type of base oil, coupling agents and fatty acids. All manufactured materials have a specification range and again this will vary the proportions required to produce a stable product. If further guidance is required please contact the Polartech Technical Department.



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